

Inventors: Yan et al.

Title: Substrates and Assays for β -Secretase Activity

Docket No.: 29915/00281E

Sheet 1 (Figure 1A)

FIG. 1A

ATGCTGCTGCTGCTGGCTACAGCTCTGGCATCCCA
M L L L L L G L R L Q L S L G I I P
GTTGAGGGAGAACCCGGACTTCTGGAAACCGCGAGGCCAGGGCAGGGCCCTGGGTGCCGC
V E E N P D F W N R E A A E A L G A A
AAGAAGCTGGAGCCTGCACAGACAGCCCAAGAACCTCATCATTCTGGGGATGGG
K K L Q P A Q T A A K N L I I F L G D G

ATGGGGGTCTACGGTGACAGCTGCCAGGATCCTAAAAGGGCAGAAGGAAGGACAAACTG
M G V S T V T A A R I L K G Q K K D K L
GGGCCTGAGATAACCCCTGGCCATGGACCCTGGCTTCCCATATGTGGCTCTGTCCAAGACATAC
G P E I P L A M D R F P Y V A L S K T Y

AATGTAGACAAACATGTGCCAGACAGTGGAGCCACAGGCCACGGCCTACCTGTGGGGTC
N V D K H V P D S G A T A Y L C G V
AAGGGCAACTCCAGACCATTGGCTTGAGTGCAGCCCCGGCTTAACCAGTGCACACACC
K G N F Q T I G L S A A A R F N Q C N I

ACACGGGCAACGAGGTCACTCCGTGATGAAATCGGGCCAAGAAAGCAGGGAAAGTCAGTC
T R G N E V I S V M N R A K K A G K S V

FIG. 1B

GGAGTGGTAACCAACCACAGGAGTGCAGCACGCCCTCGCCAGCCGGCACCTACGCCAACACCG
G V V T T R V Q H A S P A G T Y A H T

GTGAAACCGCAAATGGTACTCGGACGCCGACGTGCCCTGGCCTGGCCAGGGGGTGC
V N R N W Y S D A D V P A S A R Q E G C

CAGGACATCGCTACGGCAGCTCATGCCAACATGGACATTGACCGTAGCTTAGGTGGAGGC
Q D I A T Q L I S N M D I D V I L G G G

CGAAAGTACATGTTCCCATGGGAACCCCAGACCCCTGAGTACCCAGATGACTACAGCAA
R K Y M F P M G T P D P E Y P D D Y S Q

GCTGGGACCCAGGCTGGACCGGGAAAGAATCTGGTGCAGGAATGGCTCATGCCAGGGT
G G T R L D G K N L V Q E W L A K R Q G

GCCCCGTATGTTGGAACCCGCAC TGAGGCTCATGCCAGGCTTCCCTGGCTGGCAAGGCCAGGGT
A R Y V W N R T E L M Q A S L D P S V T

CATCTCATGGGTCTCTTGAGCCTGGAGACATGAAATA CGAGATCCACCGAGACTCCACA
H L M G L F E P G D M K Y E I H R D S T

FIG. 1C

CTGGACCCCTCCCTGATGGAGATGACAGAGGGCTGCCCTGCGCCTGCTGAGCAGGAACCC
L D P S L M E M T E A A L R L L S R N P

CGCGCTTCTTCTTCGTGGAGGGTGGTCGCATGACCATTGGTCATCATGAAAGCAGG
R G F F L F V E G G R I D H G H H E S R

GCTTACCGGGCACTGACTGAGACGATCATGTTCGACGGACGCCATTGAGAGGGGGCCAG
A Y R A L T E T I M F D D A I E R A G Q

CTCACCGGGACACGGCTGAGCCTCGTCACTGCCGACCACTCCCACGTCTCTCC
L T S E E D T L S L V T A D H S H V F S

TTGGAGGGCTACCCCTGCGAGGGAGCTGAGCTCCATCTCGGGCTGGCCCTGGCAAGGGGG
F G G Y P L R G S S I F G L A P G K A R

GACAGGAAGGGCTACACGGCTCCTATA CGGAAACGGCTATGTCAGGAC
D R K A Y T V L L Y G N G P G Y V L K D

GGCGCCGGGGATGTTACCGAGGGAGGCCCGAGTATCGGCAGCAGTC
G A R P D V T E S E S G S P E Y R Q Q S

FIG. 1D

GCAGTGCCCTGGACGAGACCCACGCCAGGGACGTGGGGTTCGGCGGGC
A V P L D E E T H A G E D V A V F A R G

CCGCAGGCCACCTGGTTCACGGCGTGCAGGAGCACCTCATAGGGCACGTCATGGCC
P Q A H L V H G V Q E Q T F I A H V M A

TTCGGCCCTGGACTACACCCGCCTGGACCTGGCCCCGGCACACC
F A A C L E P Y T A C D L A P P A G T T

GACGCCGGCACCCAGGTAACTATGAAGTTGAATTCCGAAGAGGCACCTACGTAGAGGGT
D A A H P G N Y E V E P R R A L Y V E G

GAAAGGGATTCTTCAACTCCAAAGGCCACTTACCTCGTAGAGGGTGAAGAGGATTG
E R G F F Y T P K A L Y L V E G E R G F

TTCTACACTAGCTCATGACCATAGCCTATGTCATGGCTGCCATCTGGCCCTCTTCATG
F Y T S L M T I A Y V M A A I C A L F M

CTGCCCACTCTGCCCTCATGGTGGACTACAGGATGACAAAGTAG
L P L C L M V D Y K D D K *

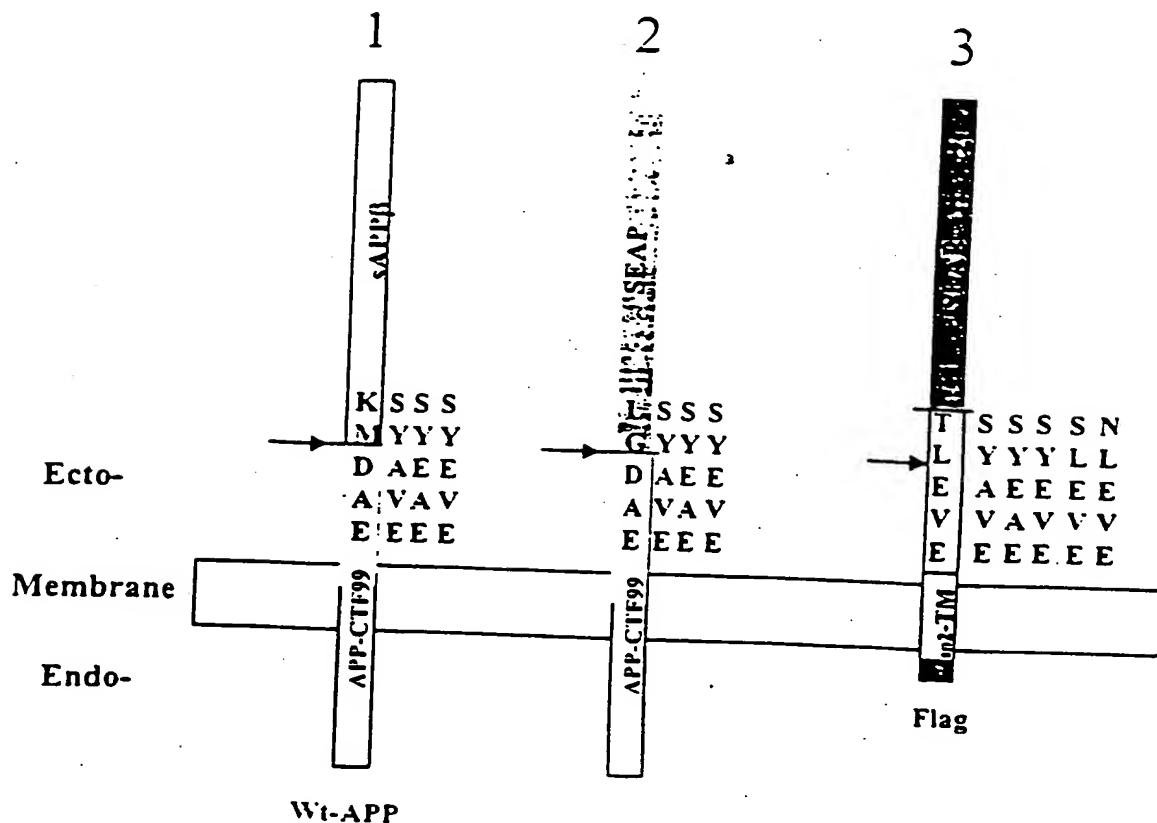


FIG. 2

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Sheet 6 (Figure 3)

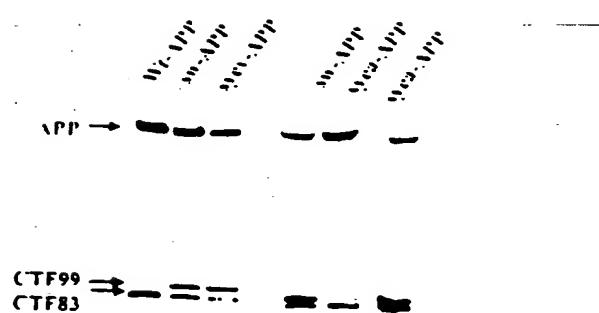


FIG. 3